Operators

Arithmetic operators

Operator	Name	Example
+	addition	10 + 3 = 13
-	subtraction	10 - 3 = 7
*	multiplication	10 * 3 = 30
/	division	10 / 3 = 3
%	modulus	10 % 3 = 1
Increment (++) and decrement (--) are not supported		

Relational operators

Operator	Name	Example
>	Greater than	10 > 3 = true
>=	Greater than or equal to	“A” >= “a” = false
<	Lesser than	10 < 3 = false
<=	Lesser than or equal to	true <= false = false
==	Equal	3.0 == 3.1 = true
!=	Not equal	‘c’ != ‘C’ = true

Logical operators

Operator	Name	Example
&&	AND	true && true = true
||	OR	true || false = true
!	NOT	!true = false

Bitwise operators

Operator	Name	Example
&	Bitwise AND	10 & 3 = 2
|	Bitwise OR	10 | 3 = 11
^	Bitwise XOR	10 ^ 3 = 9
!	NOT	!10 = -11
<<	Left shift	10 << 1 = 20
>>	Right shift	10 >> 1 = 5

Bitwise operators

10 & 3 = 2

0	0	0	0	1	0	1	0	&
0	0	0	0	0	0	1	1	=
0	0	0	0	0	0	1	0	

Bitwise operators

10 & 3 = 2

0	0	0	0	1	0	1	0	&
0	0	0	0	0	0	1	1	=
0	0	0	0	0	0	1	0	

10 ^ 3 = 9

0	0	0	0	1	0	1	0	^
0	0	0	0	0	0	1	1	=
0	0	0	0	1	0	0	1	

Bitwise operators

10 & 3 = 2

0	0	0	0	1	0	1	0	&
0	0	0	0	0	0	1	1	=
0	0	0	0	0	0	1	0	

10 ^ 3 = 9

0	0	0	0	1	0	1	0	^
0	0	0	0	0	0	1	1	=
0	0	0	0	1	0	0	1	

10 << 1 = 20

0	0	0	0	1	0	1	0	< <
0	0	0	1	0	1	0	0	=